

## REMARKS

Claims 1-4 are pending in this application, with claim 1 being in independent form.

Claims 1-4 have been amended to define still more clearly what Applicants regard as their invention; these changes have been made for the purposes of clarification only, and no change in scope of the claims is either intended or believed to be effected by the changes.

The specification and abstract have been carefully reviewed and amended as to matters of form, including those kindly pointed out in the Office Action. Along those lines a substitute specification is attached, both marked-up and clean versions. Please replace the specification with the attached substitute specification. It is submitted that no new matter has been added.

Claims 1-4 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. The claims have been carefully reviewed and amended as deemed necessary to ensure that they conform fully to the requirements of Section 112, second paragraph, with special attention to the points raised in the Office Action. With regard specifically to the Examiner's points regarding the intermittence signals and the recording of the absolute operating time, Applicants also note, e.g., the specification from page 19, line 1, to page 20, line 7, which states as follows<sup>1</sup>:

The detonating unit consists of GPS receiving sections, industrial microcomputers, high voltage circuits, and A/D conversion circuits. The output of the high voltage circuits is connected to detonating ends of electric detonators. The operating systems in the detonating units operate by means of distinguishing intermittence signals generated by the high voltage circuits in the detonating units. When there are intermittence signals, the detonating units write the effective explosion's absolute operation time into SPS format spreadsheets of 3-D land seismic exploration assistant data according to the methods of generating file names of the detonating units; and when there are no intermittence signals, the detonating units do not record the said absolute operation time into SPS format spreadsheets of three

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<sup>1</sup>It is of course to be understood that the references to various portions of the present application are by way of illustration and example only, and that the claims are not limited by the details shown in the portions referred to.

dimensions seismic exploration assistant data. The SPS format spreadsheets of 3-D land seismic exploration assistant data are generated according to the generation methods of file names of the detonating units when the detonating units are operating, and at the same time, it is appointed that the effective explosion's absolute operation time is written into the SPS format spreadsheets of 3-D land seismic exploration assistant data according to the generation methods of file names of the detonating units only when the detonating units detonate the explosive successfully, and when the operations are off and the detonation of the explosive is not successful, the absolute operation time is not recorded into the SPS format spreadsheets of 3-D land seismic exploration assistant data.

It is believed that the rejection under Section 112, second paragraph, has been obviated, and its withdrawal is therefore respectfully requested.

In view of the foregoing amendments and remarks, Applicants respectfully request favorable reconsideration and early passage to issue of the present application.

Respectfully Submitted

A handwritten signature in black ink, appearing to read 'R. A. DiPerna', written over a horizontal line.

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